Attorney Docket No. 12905

ABSTRACT

Microparticles for use in the pulmonary delivery of a therapeutic

material, comprising a polymer matrix, which is prefabricated to have a
particular geometric shape including that of a disc cube, rectangle or
snowflake. Additionally, these microparticles may include a winged structure
to enhance the aerodynamic characteristics of said microparticle.

Microfabrication methods for making these microparticles are provided.